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Amendments to the Claims

Please amend the following claims:

1. (Currently amended) A system comprising:  
a processor for providing an electronic program guide (EPG) including a processor  
and stored program schedule, the EPG operable by a user (1) to select a first program and a  
second program received from corresponding program sources and (2) to select a first  
program processing function for the first program and (3) to select a second program  
processing function for the second program;

a tuner operable by the processor to receive (1) for the first program, first current  
time reference information from a first corresponding program source, wherein the first  
current time reference information provides information for synchronizing a scheduling  
clock with a clock of the first corresponding program source, and (2) for the second  
program, second current time reference information from a second corresponding program  
source source, wherein the second current time reference information provides information  
for synchronizing a scheduling clock with a clock of the second corresponding program  
source;

the processor programmed to provide derive a first scheduling clock based on the  
first current time reference information information, the first scheduling clock  
synchronized with the clock of the first corresponding program source;

the processor programmed to initiate the first program processing function based  
upon the first scheduling clock;

the processor programmed to provide derive a second scheduling clock based on  
the second current time reference information information, the second scheduling clock  
synchronized with the clock of the second corresponding program source; and

the processor programmed to initiate the second program processing function based upon the second scheduling clock.

2. (Currently amended) The system of claim 1, wherein the first current time reference information provides a current time-of-day indication.

3. (Previously presented) The system of claim 1, wherein:  
the system further comprises a display for displaying a current time-of-day to a user;

the processor is operable to provide an output for updating the display of the current time-of-day based upon the first current time reference information; and

the system further comprises a filter for filtering the output to inhibit a discontinuous change in the current time reference information from causing a discontinuous change in the display of the current time-of-day, and for providing the filtered output to the display.

4. (Previously presented) The system of claim 1, wherein the first programming processing function is at least one selected from the group consisting of display, record, and playback.

5. (Previously presented) The system of claim 4, wherein the group further comprises: program transmission, program standards conversion, program encryption, program decryption, program scrambling, and program decoding.

6. (Previously presented) The system of claim 1, wherein the processor is

programmed to terminate the second program processing function based upon the second scheduling clock.

7. (Previously presented) The system of claim 12, wherein the tuner is operable to receive STT data that includes a time reference indicator and associated correction data sufficient to establish a time of transmission of a program by a corresponding broadcast source accurate to within about plus or minus 4 seconds.

8. (Previously presented) The system of claim 1, wherein:  
the tuner is operable to receive first current time reference information that is based on a first time-of-day clock, and  
the tuner is operable to receive second current time reference information that is based on a second time-of-day clock, with the second time-of-day clock being unsynchronized with the first time-of-day clock.

9. (Previously presented) The system of claim 8, wherein the tuner is operable to receive:  
first current time reference information that is based on a first time-of-day clock generated at the first corresponding program source, and  
second current time reference information that is based on a second time-of-day clock generated at the second corresponding program source.

10. (Previously presented) The system of claim 1, wherein the tuner is operable to receive first current time reference information that comprises time-of-day information.

11. (Previously presented) The system of claim 1, wherein the processor is programmed to provide a first scheduling clock that is a time-of-day clock.

12. (Currently amended) The system of claim 1, wherein the tuner is operable to receive first and second current time reference information that comprises System Time Table (STT) data of an MPEG compliant data stream, ~~and the stored program schedule is derived from an Event Information Table (EIT) of an MPEG compliant data stream.~~

13. (Previously presented) The system of claim 1, wherein the tuner is operable to receive the first current time reference information from a first corresponding program source that is a broadcast source.

14. (Previously presented) The system of claim 1, wherein:  
the system comprises a central scheduling clock,  
the processor is programmed to provide the first scheduling clock by updating the central scheduling clock with time information generated based on the first current time reference information, and  
the processor is programmed to provide the second scheduling clock by updating the central scheduling clock with time information generated based on the second current time reference information.

15. (Previously presented) The system of claim 1, wherein the processor is programmed to maintain, for at least a period of time, both the first scheduling clock and the second scheduling clock.

16. (New) A method comprising:

receiving, by an electronic program guide, (1) selection of a first program and a second program, the first and second programs provided by corresponding first and second program sources, (2) selection of a first program processing function for the first program, and (3) selection of a second program processing function for the second program;

receiving, by a tuner, (1) a first current time reference information from the first program source, wherein the first current time reference information provides information for synchronizing a scheduling clock with a clock of the first program source, and (2) a second current time reference information from the second program source, wherein the second current time reference information provides information for synchronizing a scheduling clock with a clock of the second program source;

deriving a first scheduling clock based on the first current time reference information, the first scheduling clock being synchronized with the clock of the first program source;

initiating a first program processing function, for the first program, based upon the first scheduling clock;

deriving a second scheduling clock based on the second current time reference information, the second scheduling clock being synchronized with the clock of the second program source; and

initiating a second program processing function, for the second program, based upon the second scheduling clock.

17. (New) The method of claim 16, wherein the first current time reference information provides a current time-of-day indication.

18. (New) The method of claim 16, further comprising:

filtering the first current time reference information and the second current time reference information to smooth a discontinuous change between the first and second current time reference information;

producing a current time-of-day based on the filtered current time reference information; and

displaying the produced current time-of-day.

19. (New) The method of claim 16, wherein:

the first current time reference information is based on a first time-of-day clock,  
and

the second current time reference information is based on a second time-of-day clock, with the second time-of-day clock being unsynchronized with the first time-of-day clock.